MEMORANDUM

To: Cuyler Feagles, AIA
City of Portland

Copy: Roy Williams, City of Portland (email)
Jim Stanislaski, Gensler (email)
Cliff Takara, Gensler (email)
Lacey Fogg, AMEC (email)
Mike Fusco, Turner Construction Company (email)
Shaun Winner, Turner Construction Company (email)

From: Matthew T. Grady, P.E. MTG

Robert W. Gillespie, P.E.
R.W. Gillespie & Associates, Inc.

Date: 31 January 2011

Subject: Spray Nozzle Test
Terminal Enhancement, Portland International Jetport
Portland, Maine
RWG&A Project No. 0557-014

R.W. Gillespie & Associates, Inc. (RWG&A) is submitting the attached information for owner review and approval. On 20 January 2011, RWG&A subcontracted Architectural Testing, Inc. (ATI) of Chelmsford, Massachusetts to perform a spray nozzle test at the subject project.

Attached is a letter report from ATI for the test performed. The test was conducted in accordance with AAMA 501.2-03, *Quality Assurance and Diagnostic Water Leak Field Check of Installed Storefronts, Curtain Walls, and Sloped Glazing Systems*. The test was performed on 18 lineal feet of site built curtain wall located at the south elevation, second floor, west of terminal 11, second window unit from left.

No water leaks were detected on the specimen tested and the specimen is in general accordance with the project specifications. If you have any questions, please contact us.

MTG/RWG:md

Encl: Field Test report by ATI dated 25 January 2011

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Architectural Testing

FIELD TEST REPORT

Rendered to:

R.W. GILLESPIE ASSOCIATES, INC.

PROJECT: **Portland International Jetport**
Portland, Maine

Report No.: **A6895.01-250-43**
Set-Up and Test Date: **01/20/11**
Report Date: **01/25/11**

10 Tracy Road
Chelmsford, MA 01824
phone: 978-244-9300
fax: 978-244-1067
www.archtest.com

Performance Criteria: Provided by Jim Stanislaska of Gensler.

Water Leakage: (AAMA 501.2)

No water leakage @ 32.5 psi.

No water penetration shall appear on any normally exposed interior surfaces, that is not contained or drained back to the exterior, or that can damage adjacent materials of or finishes. Water contained within drained flashings, gutters and sills is not considered water leakage. The collection of up to 15 ml (1/2) ounce of water in a five minute test period on top of an interior stop or stool integral with the wall system shall not be considered water leakage.

TEST RESULTS

Date: 01/20/11

Ambient Exterior Air Temperature: 28 °F

***General Note #1**: All locations referenced are as viewed from the interior unless otherwise noted.*

***General Note #2:** Unless specifically noted within this report, atmospheric conditions at the time of testing did not have an adverse impact on the results of the test.*

Test Specimen #1:

Manufacturer: Kawneer
Description: Site built curtain wall, series 1600 SS.
Overall Size: 18 linear feet
Location: South elevation, Second floor, West of Terminal 11, Second window unit from left

Title of Test	Test Results	Allowable
Water Penetration @ 32.5 psi	No water leakage	No water leakage

Witnesses: The following representatives witnessed all or part of the testing.

Michael Kramlich	R.W. Gillespie Associates, Inc.
Jim Stanislaska	Gensler
Shaun Winner	Turner Construction Company
Michael Anness	Ipswich Bay Glass Company, Inc.
Michael Galvin	Ipswich Bay Glass Company, Inc.
Michael Sloane	Ipswich Bay Glass Company, Inc.
J.P. McDonald	Architectural Testing, Inc.
Dan Carroll	Architectural Testing, Inc.

Revision Log

Rev. #	Date	Page(s)	Revision(s)
0	01/25/11	N/A	Original Report Issue

Photo No. 1
Test Specimen #1
Exterior View of Test Specimen with Test Areas Highlighted